

20020105.qrp v02_n427.qrl.20020105

Date: Sat, 5 Jan 2002 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2427

QRP-L Digest 2427

Topics covered in this issue include:

- 1) [116984] AirPorts and Ham Radio Equip
by "John Dorson" <jdorson@Worldshare.net>
- 2) [116985] QRP rigs, other items for sale
by "Steve Hudson" <sdhudson@cahners.com>
- 3) [116986] Re: AirPorts and Ham Radio Equip
by "Trevor Jacobs" <fxtech@earthlink.net>
- 4) [116987] Re: ARRL Radio Designer
by "Rob Matherly" <kc0bom@arrl.net>
- 5) [116988] Re: No QRP at Salt Lake 2002 Winter Olympics
by "tmyers" <tmyers@AcademicPlanet.com>
- 6) [116989] 70.7 volt line-to-voice-coil transformer. What is it?
by anthony@pacinfosb.com
- 7) [116990] Re: No QRP at Salt Lake 2002 Winter Olympics
by Larry Cahoon <lejek@erols.com>
- 8) [116991] RE: 70.7 volt line-to-voice-coil transformer. What is it?
by "Ed Tanton" <n4xy@att.net>
- 9) [116992] Re: No QRP at Salt Lake 2002 Winter Olympics
by Michael Fletcher <kl7ixi@attbi.com>
- 10) [116993] Re: Collins Mechanical Filters
by "E. Roswell" <eroswell@monmouth.com>
- 11) [116994] Congratulations Jay!!
by Dragon Singer <WM-Scace@wiu.edu>
- 12) [116995] ground loops /coax to mini boxes
by <n2go@arrl.net>
- 13) [116996] 15 Meter Transmitter for Progressive Receiver
by Ed Kessler <edkess@pa.net>
- 14) [116997] FP Webring
by "Rob Matherly" <kc0bom@arrl.net>
- 15) [116998] No QRP at Salt Lake
by "K5XU, Mike Duke" <k5xu@netdoor.com>
- 16) [116999] Weatherproofing Connections
by "Dennis Payton" <dpayton@fwi.com>
- 17) [117000] RE: No QRP at Salt Lake 2002 Winter Olympics
by Lee Wilson <leesgoofy@usa.net>
- 18) [117001] Kids Day.....
by Niels <nkristja@cadvision.com>
- 19) [117002] Re: [fpqrp] Cub Fox Hunt Log

- by "Mike Malone" <mmalone@worldlogon.com>
- 20) [117003] RE: Weatherproofing Connections
by "Dean Rachwitz" <drachwitz@home.com>
- 21) [117004] Re: [fpqrp] TRUFFLE Log
by "Mike Malone" <mmalone@worldlogon.com>
- 22) [117005] Re: 13 Tricks in Real World
by George Gingell <k3tks@u1.abs.net>
- 23) [117006] Re: Weatherproofing Connections
by Pete Burbank <plburbank@kih.net>
- 24) [117007] Re: Workbenches
by George Gingell <k3tks@u1.abs.net>
- 25) [117008] Re: Collins Mechanical Filters
by "DTX" <dtx@wood.tzo.com>
- 26) [117009] Re: [fpqrp] TRUFFLE Log
by "Rob Matherly" <kc0bom@arrl.net>
- 27) [117010] Re: [fpqrp] TRUFFLE Log
by "Trevor Jacobs" <fxtech@earthlink.net>
- 28) [117011] Re: No QRP at Salt Lake 2002 Winter Olympics
by Bruce Muscolino <w6toy@erols.com>
- 29) [117012] Re: No QRP at Salt Lake 2002 Winter Olympics
by Bruce Muscolino <w6toy@erols.com>
- 30) [117013] Re: No QRP at Salt Lake 2002 Winter Olympics
by Bruce Muscolino <w6toy@erols.com>
- 31) [117014] Re: [Summary] Small Solar Panel
by "T.E. 'Doc' Drake - W5TB" <w5tb@arrl.net>
- 32) [117015] Using the Kenwood TS440s for Receiver
by Don <wb1cdh@yahoo.com>
- 33) [117016] RE: Static damage
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 34) [117017] Re: Using the Kenwood TS440s for Receiver
by "Karl F. Larsen" <k5di@zianet.com>
- 35) [117018] FS: Wilderness Sierra/KC-2/5 band modules
by "Dave Ek" <ekdave@earthlink.net>
- 36) [117019] For you DX hounds....
by "Rod N0RC" <rod@n0rc.com>
- 37) [117020] RE: Using the Kenwood TS440s for Receiver
by Nick Kennedy <nkennedy@tcainternet.com>
- 38) [117021] Re: 13 Tricks in Real World
by John R Kirby <n3aaz-qrp@juno.com>
- 39) [117022] Re: No QRP at Salt Lake 2002 Winter Olympics
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 40) [117023] 6 Meter DX = Rept w/Grid es UTC
by Chuck Carpenter <W5USJ@go.com>
- 41) [117024] 6 meter DX
by Arthur Moe <kb7ww@uswest.net>
- 42) [117025] Re: [fpqrp] Cub Fox Hunt Log
by "Mike Malone" <mmalone@worldlogon.com>
- 43) [117026] Re: 13 Tricks in Real World

- by Pete Burbank <plburbank@kih.net>
- 44) [117027] FOX HUNT JAN 4 2002-DRAFT #1
by Fred Lesnick <flesnick@tbaytel.net>
- 45) [117028] TS440 As Receiver
by "K5XU, Mike Duke" <k5xu@netdoor.com>
- 46) [117029] Re: Fw: Computing square roots, help needed
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
- 47) [117030] OT-ish, mission impossible?
by euramcom pages <mel@euramcom.freemove.co.uk>
- 48) [117031] Good Straight Key?
by "Dennis Payton" <dpayton@fwi.com>
- 49) [117032] Re: 13 Tricks in Real World
by Garie Halstead <k8kfj@ntelos.net>
- 50) [117033] OT: 6M hot
by "Dave Benson" <nn1g@earthlink.net>
- 51) [117034] RE: Using the Kenwood TS440s for Receiver
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 52) [117035] Re: No QRP at Salt Lake 2002 Winter Olympics
by Andrew Madsen <andrew@utahdesign.com>
- 53) [117036] Re: No QRP at Salt Lake 2002 Winter Olympics
by Bruce Muscolino <w6toy@erols.com>
- 54) [117037] RE: Using the Kenwood TS440s for Receiver
by Nick Kennedy <nkennedy@tcainternet.com>
- 55) [117038] Omega - T
by "Wayne Glover WE7G" <wayneg@inovion.com>
- 56) [117039] FS: A box of weird stuff
by nilsbull@juno.com
- 57) [117040] Re: QRP rigs, other items for sale
by David B Markheim <w2qu@juno.com>
- 58) [117041] Fox Log -Rev. #2 VE3FAL
by Fred Lesnick <flesnick@tbaytel.net>
- 59) [117042] The Amazing Tiny Tornado!
by Monty N5FC <n5fc@io.com>
- 60) [117043] Re: 13 Tricks in Real World
by "KennyMac" <killmodell@accesstoledo.com>

Date: Fri, 4 Jan 2002 19:03:42 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [116984] AirPorts and Ham Radio Equip
Message-ID: <001701c1957c\$73df9380\$6591f4d1@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well I haven't received any more replies in a that 2 days so I will give you what I have and BTW thanks to those that did reply.

Most said to just put equipment in checked baggage, say nothing but have a copy of your license and all will be well.

So that is what I will do and I will report back to the group what my experience was.

Thanks.

John K2JHU...
jdorson@worldshare.net

Date: Fri, 4 Jan 2002 19:18:12 -0500
From: "Steve Hudson" <sdhudson@cahners.com>
To: <qrp-1@lehigh.edu>
Subject: [116985] QRP rigs, other items for sale
Message-ID: <000101c1957e\$75ed7a00\$d35685ce@acpdceditor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Time to buy books for daughter's first quarter at college...

Prices are plus shipping/insurance from 30004.

Thanks!

Steve Hudson, AA4BW
678 297 7999

Ten Tec Argonaut 509. Works fine, includes manual. Neatly done mods include front toggle switching of RIT (up), center off, with another switched 12-volt line also controlled by that toggle switch (down); a second toggle switch that switches another 12-volt line; a red LED mounted above the drive control, and S0-239 output and quarter-inch jack for key. According to the previous owner and to documentation with the radio, it was returned to Tentec for PT0 rebuild and dial cord replacement, plus switch/pot cleaning, in March of 2000. Nice rig. \$225.

Ten Tec Century 21 w/optional 10-meter crystals, plus model 276 pulsed 25/100 khz calibrator. Calibrator shows modest wear. All works fine, includes original C/21 manual. \$170.

Wilderness Radio Buzz-Not noise blanker kit, new, unbuilt, in bag, with documentation. \$17.

Meter: Westinghouse 0-1.5 amp. Meter has square face measuring about 3.125 inches square and mounts in a round hole approx. 2.75 inches in diameter. \$5.

Meter: Triplet 0-50 milliamps. Meter has square face measuring about 2.375 inches square and mounts in a round hole approx. 2.125 inches in diameter. \$4.

Meter: Micronta 0-50 microamps. Meter face is about 2.5x2 inches, mounts in one-inch round hole. \$4.

Meter: Lafayette 0-25 VDC. Meter face is 2.25x1.75, mounts in 1.5-inch round hole. \$4.

Meter: Simpson 0-5 milliamps. Round face 2.75 inches, mounts in 2.25 inch hole. \$4.

Meter: Westinghouse 0-5 milliamps. Meter is square just over 2.25 inches on a side, mounts in round hole 2 inches in diameter. \$5

Meter: Weston 0-1 milliamps. Round face, 3.5 inches in diameter, mounts in 2.75 inch round hole. \$4.

Meter: 0-200 microamps. Square face about 3.5 inches on a side. Mounts in round hole about 2.75 inches. \$5.

Ten Tec "Budget Electronic Keyer," purchased new and built by me. Works fine. No enclosure. With manual. \$11.

MFJ keyer/Benchner paddle combo. This is the one with the keyer mounted directly on the Benchner paddle. Excellent condition, works perfectly. \$60.

Kanga Products Iambic Keyer Kit, assembled and tests fine. No enclosure, just assembled board. \$9.

Variable cap. Double bearing, ceramic and metal frame. Plate is stamped "Hammarlund Mfg. Co. Inc. NYC, part is numbered 150065. Feet threaded for chassis mount; front threaded for panel mount. Offset shaft. Guestimate value at 50 to 70 pf. Quarter inch shaft. \$6.

Variable cap. Transmitting style, hand labeled "250" which looks about right. Plate spacing about 1/23 of an inch. Ceramic/metal frame. Threaded feet for chassis mounting, threaded front for panel mounting. Quarter inch

shaft. \$7.

Variable cap, two section, broadcast style, manufactured by General Instrument Co. Large dial string pulley (about 4.25 inch diameter) mounted on shaft. Small length of cloth-covered wire soldered to one section. \$6

Date: Fri, 4 Jan 2002 16:39:54 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <jdorson@Worldshare.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [116986] Re: AirPorts and Ham Radio Equip
Message-ID: <00df01c19581\$7f08fda0\$569eb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry John,

I meant to reply to you, but been a bit busy with work and forgot. On a trip I took to WI recently, I packed everything in my check in stuff and had no problems either way to or from WI and CA. In case they do ask what it is, just have your license handy and explain what you are doing.

Best 72/73's

Trev

KG6CYN

----- Original Message -----

From: John Dorson <jdorson@Worldshare.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, January 04, 2002 4:03 PM
Subject: AirPorts and Ham Radio Equip

> Well I haven't received any more replies in a that 2 days so I will
give you
> what I have and BTW thanks to those that did reply.
>
> Most said to just put equipment in checked baggage, say nothing but
have a
> copy of your license and all will be well.
>
> So that is what I will do and I will report back to the group what my
> experience was.

>
> Thanks.
>
> John K2JHU...
> jdorson@worldshare.net
>
>

Date: Fri, 4 Jan 2002 18:41:44 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <leon_heller@hotmail.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116987] Re: ARRL Radio Designer
Message-ID: <017301c19581\$c18197a0\$6d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was looking around the arrl site once and ran across a link to some free software program that's about the same... didn't get it though because it's about a 60 meg download :-)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: Leon Heller <leon_heller@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, January 04, 2002 6:31 AM
Subject: Re: ARRL Radio Designer

>From: "Huston" <hgruen@pacifier.com>
>Reply-To: hgruen@pacifier.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Subject: ARRL Radio Designer
>Date: Fri, 4 Jan 2002 00:50:36 -0800
>
>Does anyone know where I could obtain a copy of the ARRL Radio Designer
>software? They no longer sell it. Thanks.
>
>Huston K7ITA
>

Try a web search for Ansoft and Serenade. Radio Designer was in fact the latter. It's free, but I can't download it because you have to use their downloader and they don't allow downloads to be resumed.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Fri, 4 Jan 2002 18:41:38 -0600
From: "tmyers" <tmyers@AcademicPlanet.com>
To: <n7rr@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116988] Re: No QRP at Salt Lake 2002 Winter Olympics
Message-ID: <001b01c19581\$bdc66460\$1600a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cell phones are they in or out?

----- Original Message -----

From: Bruce Prior <n7rr@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, January 04, 2002 11:30 PM
Subject: No QRP at Salt Lake 2002 Winter Olympics

> As part of the hoopla in preparation for the Winter Olympics in the Salt
> Lake City region in February, we received the souvenir program. In an
> article about security there is a list of prohibited items. It includes
> some obvious things like weapons, fireworks and illegal drugs. The
> prohibited list also includes "two-way radios." That means no K1, no DSW,
> no TH-D7A(G). I'm sure the organizing committee thinks it has
> communications covered: all that channalized stuff used by emergency
> service agencies and Olympics officials. What standard communications
> systems lack is the resiliency and flexibility of amateur radio, which will
> actually work in a big emergency when those standard communications channels
> get clogged. I inquired with the Utah SCM and the ARRL Rocky Mountain
> Director and I received no reply. I assume that means that there has been
> no amateur radio involvement in the preparation for this major international
> event. Radio amateurs attending the many Olympic venues will be prohibited
> from carrying their gear. Were radio amateurs similarly shut out in
> Sarajevo and Calgary and Nagano? Has amateur radio become irrelevant in
> community affairs?
> 73, Bruce Prior N7RR
>
>
> -----
> Join the world s largest e-mail service with MSN Hotmail.
> <http://www.hotmail.com>
>

Date: Fri, 4 Jan 2002 16:39:22 -0800
From: anthony@pacinfosb.com
To: qrp-1@Lehigh.EDU, w2bvh@home.com
Subject: [116989] 70.7 volt line-to-voice-coil transformer. What is it?
Message-ID: <Chameleon.1010191784.Anthony@PID038>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

These transformers are nothing special, they are just specified in terms of power out for a fixed voltage in rather than the usual voltage or impedance ratios. The units work out the same. Let me

know if you want a math demo on this, but it's just Ohm's law and the power formula.

They aren't antiques, they are still in common use for p.a. systems and they are available at Radio Shack. Really huge ones are available for rock and roll.

This is a good thing, because a lot of old tube radios and most of the WW2 military stuff had 500ohm audio outputs, and you can use the 10W (as I recall) tap to make a 500ohm to 8ohm transformer so you can drive a speaker with your ARC-5, for instance.

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Sat, 05 Jan 2002 00:45:00 +0000
From: Larry Cahoon <lejek@erols.com>
To: n7rr@hotmail.com, qrp-l@lehigh.edu
Subject: [116990] Re: No QRP at Salt Lake 2002 Winter Olympics
Message-ID: <5.1.0.14.0.20020105002418.00b6dee0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:30 PM 1/4/2002 +0000, you wrote:
>includes some obvious things like weapons, fireworks and illegal
>drugs. The prohibited list also includes "two-way radios." That means no
>K1, no DSW, no TH-D7A(G). I'm sure the organizing

Non withstanding Bruce's comments to you post, Bruce, and understanding the concerns he mentioned, I do have to wonder about this. My first thought was no 2-meter to talk to the family. Then I realized how many people they will disappoint when the tell them they can't bring in their family friendly radios. Without reading the actual prohibitions(because I couldn't find radios listed at their "official" web site) I took another step back and realized they also seem to have banned all cell phones. Those are also two-way radios. I wonder if they get an exception. If they did then what is the purpose of banning the family friendly radios and the 2-meter handhelds?

73 de Larry.....WD3P
<http://www.qsl.net/wd3p/>

Date: Fri, 4 Jan 2002 20:36:18 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [116991] RE: 70.7 volt line-to-voice-coil transformer. What is it?
Message-ID: <003b01c19589\$5ff897b0\$4eec5b0c@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

It IS the 10W tap for 70.7's.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

///snip

This is a good thing, because a lot of old tube radios and most of the
WW2 military stuff had 500ohm audio outputs, and you can use the 10W (as
I recall) tap to make a 500ohm to 8ohm transformer so you can drive a
speaker with your ARC-5, for instance.

///snip

Date: Fri, 04 Jan 2002 17:55:24 -0800
From: Michael Fletcher <kl7ixi@attbi.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [116992] Re: No QRP at Salt Lake 2002 Winter Olympics
Message-ID: <B85B9D0B.BF66%k17ixi@attbi.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I work for AT&T Wireless and I can assure you that there is a sizeable network in place for Analog, Digital, and 3G phones. Several motorized Cells On Wheels (COWs) will support the Cross-Country Ski course and other sites. Other telecom vendors will also be represented.

72,
Mike K17IXI/7

Date: Fri, 04 Jan 2002 22:29:46 -0500
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [116993] Re: Collins Mechanical Filters
Message-ID: <3C36732A.4A39FB5A@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check out the Rockwell/Collins site and see what is there:
<http://www.rockwellcollins.com/otherbusinesses/collins-filters/products/>
73, Ed, K2MGM

Date: Sat, 05 Jan 2002 03:41:09 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116994] Congratulations Jay!!
Message-ID: <5.1.0.14.0.20020105034040.03ff4008@pop3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,
Wayne K9DI es Sequoia here. I just heard some wonderful news es wanted to share it with the group! Jay KA9CFD bagged his 100th country on 6M today!! Congratulations on Ur DXCC 6M Jay!!! WELL DONE!
73/72 es M00/00
de

Wayne K9DI

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
FPQRP-L# 217
SOC# 452
ARS # 1,082
Zombie # 800
<http://k9di.homestead.com/K9DIHam1.html>

Date: Fri, 4 Jan 2002 17:52:33 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [116995] ground loops /coax to mini boxes
Message-ID: <Pine.LNX.4.33.0201041736450.1026-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am reading the construction articles for the Spectrum analyzer that was in qst August '98. In the discussion on construction techniques there was mention of ground loops at coax connectors on cast aluminum boxes.

Instead of bulk head connectors alone they suggested using a brass tube on the back so as to shield the center conductor.

Although they reported great success using cast aluminum boxes for shielding I would like to save some money. I was thinking that small boxes made of pcb material would be good. I was thinking that I could eliminate the SMA or BNC connectors by using Teflon coax through the wall of the boxes. The hole could be drilled so as to pass the coax through with a tight fit. I could then strip off enough of the outer insulation so as to expose enough shield so it could be soldered directly to both sides of the pcb wall.

Has anyone done this? Or more importantly, is there any reason why I shouldn't do this?

Jim n2go

Date: Fri, 04 Jan 2002 22:25:28 -0500
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: "Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>,
Donald Philbin <donaaldphilbin@hotmail.com>,
Subject: [116996] 15 Meter Transmitter for Progressive Receiver
Message-ID: <5.0.2.1.0.20020104221832.00a22c20@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good Evening Everyone,

I just updated my web page to include a 15 meter transmitter that I built to use with my Progressive Receiver (nearly 3 watts using an MRF 237 as a final transistor). First QSO was with AA0RQ, Bill in Denver, CO. My ear-crushing signal was reported to be 529. It sure was fun using my homebrew receiver for a QSO instead of just listening.

For those interested . . .

73,
Ed AA3SJ

<http://www.qsl.net/aa3sj/HOME.html>

Date: Fri, 4 Jan 2002 22:13:13 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-L@lehigh.edu>
Subject: [116997] FP Webring
Message-ID: <002101c1959f\$50dd3ea0\$6d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those piggies that are on this list but not the piggie list and have websites, we've created a webring to link all the oinker sites together! Here's the info:

<---

Hello!

You have been invited by the RingMaster, kc0bom, to add your web site to the WebRing called Flying Pigs QRP Club Webring.

On WebRing, similar sites are grouped together in Rings and each site is linked to another by a simple navigation bar. Rings are created and maintained by the RingMaster, who determines the look and feel of the Ring, approves sites submitted to the Ring, and encourages others to join.

To become a member of this Ring, visit this URL:
<http://T.webring.com/wrman?ring=flyingpigsqrpclu&addsite>

If you have no interest in joining this Ring, simply delete this email.

Need Help? Visit WebRing online help:
<http://dir.webring.com/help>
--->

Now keep in mind this is for piggies that want their sites listed - if you aren't a pig and want in the ring, join the Flying Pigs club and then I'll let you in :^)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

Date: Fri, 4 Jan 2002 19:16:09 -0600
From: "K5XU, Mike Duke" <k5xu@netdoor.com>
To: <qrp-1@lehigh.edu>
Subject: [116998] No QRP at Salt Lake
Message-ID: <000301c195a3\$d0c0f900\$c5d294d0@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This statement in the Program is nothing really new. They did the same thing in Atlanta, and when pressed on the issue by Amateur Radio Newsline, ARRL,

and others, offered the clarifications that have been mentioned in other posts to this list.

Mike Duke, K5XU, President
American Council of Blind Radio Amateurs

Date: Fri, 4 Jan 2002 23:59:28 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [116999] Weatherproofing Connections
Message-ID: <001701c195a5\$c28f53c0\$aca854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've always believed the best way to keep moisture out of an outdoor connection is to fill the connection with something else, instead of trying to isolate it. When I was a fairly new ham seven or eight years ago, I ran across a tube of what I think is silicone grease, but it's called 'silicone dielectric compound' and I've always used it. In a manner sort of like packing bearings, I work it into every crack of a connector before connecting it. Sometime, I even try to work it into the end of the coax before fastening the connector. After making the connection, I wipe off most of the excess, then just leave it exposed to the weather. Any time I disconnect it, I squirt in a blob of grease before reconnecting it, then wipe off most of the excess again. I even put a blob of it on the joints of wire antennas. I've never had a problem with corrosion or moisture so I'm sold on this method of weatherproofing. I'm sure it's not a new idea, but all the hams around here seem to use silicone sealant and electrical tape which I believe does an inferior job and is ridiculous to disconnect and reconnect.

My 'silicone dielectric compound' is almost gone but I found something called 'Lube Gel' at RS (#64-2326) that I think will work just as well. It claims to stay in place, to not attract dust, and to be impervious to salt & fresh water.

Denny Payton N9JXY
Auburn, IN

Date: 5 Jan 2002 00:15:07 EST
From: Lee Wilson <leesgoofy@usa.net>
To: Low power amateur radio discussion <Qrp-l@Lehigh.edu>
Subject: [117000] RE: No QRP at Salt Lake 2002 Winter Olympics
Message-ID: <20020105051507.606.qmail@cpdvgl00.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Hello Gang:

Yes! There will be amateurs there. The secret service/FBI asked for assistance (Emergency Communications) and over 200 amateurs (HAMS) volunteered. In the event communications go down.

Lee
AC7KT

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Fri, 4 Jan 2002 22:15:07 -0700
From: Niels <nkristja@cadvision.com>
To: qrp-canada@neale.gpfn.sk.ca
Cc: qrp-l@Lehigh.EDU
Subject: [117001] Kids Day.....
Message-ID: <1.5.4.16.20020104221845.6d47285c@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Well January 5, 2002 is Kid's Day.

The rules can be found on www.arrl.org and I would like to encourage all of you to get some kids on the air. I will be calling in the kids on my street and my son will be the chief OP as he has done

this before and is an old (10 yrs) hand
at his now.

Come on gang, here is a great opportunity
to promote one of the greatest hobby in
the world and secure the furture.

73 de Niels VA6NJ
(former VE6NJK)

Date: Sat, 5 Jan 2002 23:18:32 -0600
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Mike Malone" <mmalone@worldlogon.com>, <fpqrp-1@mpna.com>
Cc: <qrp-1@lehigh.edu>
Subject: [117002] Re: [fpqrp] Cub Fox Hunt Log
Message-ID: <000801c19671\$97b3d320\$3ef5a7cc@malonefamily>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry this took so long, email me with corrections so I can get this one in
the books and let Karl update his page.

0204	W5YR	559	TX	GEORGE	5W
0206	K8KFJ	559	WV	GARIE	5W
0208	K5JHB	559	TX	BILL	5W
0208	KK5LD	599	TX	JIM	5W
0210	N1TP	559	FL	TOM	5W
0212	K5PSH	559	TX	JERRY	5W
0214	W5USJ	550	TX	CHUCK	5W
0215	AC5JHB	559	OK	TOM	5W
0217	K4ADI	559	SC	FRANK	5W
0219	WA8WV	559	WV	DAVE	5W
0221	WR50	559	TX	DAVE	5W
0223	W0CH	559	MO	DAVE	100MW
0224	WB6BWZ	559	MA	MATT	5W
0226	K4FB	559	FL	PAUL	5W
0227	WA8BXN	559	OH	MIKEY	5W
0229	KV4EE	559	SC	CRAIG	5W
0233	AF4PS	559	FL	MAC	3W
0234	W8VJW	559	MI	JOHN	5W
0236	K4GT	559	GA	JIM	5W

0239	K8MIA	559	WV	JIM	5W.
0239	AJ4AY	559	AL	JAY	5W
0242	N4MAP	559	GA	SAM	5W
0243	KB9YIG	559	IN	TONY	5W
0244	W0IS	559	MN	RICH	5W
0246	K4BYF	559	FL	JACK	5W
0250	K0PC	559	MN	PAT	5W
0251	K8CV	559	MA	WALT	5W
0253	WE9K	559	WI	GREG	5W
0256	AD4IH	559	FL	JOE	5W
0258	KC1FB	559	CT	JIM	5W
0301	KB7WW	559	OR	ART	5W
0303	W9BL	559	IL	RANDY	5W
0305	N9WW	559	IL	JIM	4W
0307	KJ0C	589	MO	JIM	5W
0311	KG6CYN	559	CA	TREVOR	5W
0314	VE4WI	559	MB	CRAIG	5W
0321	KG4CHX	559	NC	TIM	5W
0323	KI0II	559	CO	RON	1W
0324	KG5LDY	559	VA	JIM	5W
0333	W3ICD	559	CA	BOB	5W
0339	VE3FAL	559	ON	FRED	5W
0343	WA9TZE	449	WI	JIM	5W
0348	WV9NWV	559	OH	RANDY	5W
0353	W9XU	559	WI	LON	5W
0356	N9AW	559	WI	JERRY	5W
0359	NK9G	449	WI	RICK	4W
0400	KD5KXF		CUB	FOX	

Date: Fri, 4 Jan 2002 22:25:34 -0700
 From: "Dean Rachwitz" <drachwitz@home.com>
 To: <dpayton@fwi.com>
 Cc: <qrp-1@lehigh.edu>
 Subject: [117003] RE: Weatherproofing Connections
 Message-ID: <000201c195a9\$66d7b9b0\$c3791518@cx1219300a>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

We used this stuff by the boat-load (no pun intended) in the Navy. We used to get these 8oz tubes of it super cheap. Too bad I don't have access to a Navy supply catalog.

Here's another source, though admittedly available in small quantities, it

can be found at your local auto parts store.

http://www.permatex.com/products/prodidx.asp?f_call=get_item&item_no=22058

Did a quick search on the web and found this, too:

<http://www.radio-ware.com/products/i615.htm>

<http://www.action-electronics.com/gcelect.htm>

73,

Dean
K7ADN

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Dennis Payton

Sent: Friday, January 04, 2002 9:59 PM

To: Low Power Amateur Radio Discussion

Subject: Weatherproofing Connections

I've always believed the best way to keep moisture out of an outdoor connection is to fill the connection with something else, instead of trying to isolate it. When I was a fairly new ham seven or eight years ago, I ran across a tube of what I think is silicone grease, but it's called 'silicone dielectric compound' and I've always used it. In a manner sort of like packing bearings, I work it into every crack of a connector before connecting it. Sometime, I even try to work it into the end of the coax before fastening the connector. After making the connection, I wipe off most of the excess, then just leave it exposed to the weather. Any time I disconnect it, I squirt in a blob of grease before reconnecting it, then wipe off most of the excess again. I even put a blob of it on the joints of wire antennas. I've never had a problem with corrosion or moisture so I'm sold on this method of weatherproofing. I'm sure it's not a new idea, but all the hams around here seem to use silicone sealant and electrical tape which I believe does an inferior job and is ridiculous to disconnect and reconnect.

My 'silicone dielectric compound' is almost gone but I found something called 'Lube Gel' at RS (#64-2326) that I think will work just as well. It claims to stay in place, to not attract dust, and to be impervious to salt & fresh water.

Denny Payton N9JXY
Auburn, IN

Date: Sat, 5 Jan 2002 23:29:20 -0600
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Mike Malone" <mmalone@worldlogon.com>, <fpqrp-1@mpna.com>
Cc: <qrp-1@lehigh.edu>
Subject: [117004] Re: [fpqrp] TRUFFLE Log
Message-ID: <000d01c19673\$19752e80\$3ef5a7cc@malonefamily>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Log by Blammo (if you never watched Ren and Stimpy then nevermind...)

0133 W5YR
0134 W8DIZ
0134 WA8BXN
0136 N1TP
0137 AC5JS
0139 W5USJ
0140 AJ4AY
0142 K4GT
0143 WV9N
0144 K5JHP
0147 K4BYF
0148 WR50
0149 WA8WV
0151 K4TJD
0152 WE9K
0153 AA50
0154 KC8NYW
0155 W0CH
0158 N8IE
0200 K8MIA

the end

Date: Sat, 5 Jan 2002 00:33:47 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: n3aaz-qrp@juno.com
Cc: QRP List <qrp-1@Lehigh.EDU>
Subject: [117005] Re: 13 Tricks in Real World
Message-ID: <20020105003058.E424-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

John,

The Only 13 Tricks that I know of are in Card Games. :^}

If there are 13 as related to Radio, I am sure that others would also like to hear them.

Please share the "Secrets of Radio" with us...

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Sat, 05 Jan 2002 00:56:35 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [117006] Re: Weatherproofing Connections
Message-ID: <5.0.2.1.0.20020105004725.00b04240@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:59 PM 1/4/2002 -0500, Dennis Payton wrote:

>I've always believed the best way to keep moisture out of an outdoor
>connection is to fill the connection with something else, instead of trying
>to isolate it. When I was a fairly new ham seven or eight years ago, I ran
>across a tube of what I think is silicone grease, but it's called 'silicone
>dielectric compound' and I've always used it. In a manner sort of like
>packing bearings, I work it into every crack of a connector before
>connecting it.

Snip

We used Dow Corning DC-4 on subs to eliminate topside connector problems.

Just gorp them full and put the cap on. 2+ months later when we surfaced every thing worked great. It says dielectric but under connector conditions does not seem to have a thick enough film to inhibit conductivity.

73

Pete NV4V

Date: Sat, 5 Jan 2002 00:59:28 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: Mike Branca <w3irz@att.net>
Cc: QRP List <qrp-l@Lehigh.EDU>
Subject: [117007] Re: Workbenches
Message-ID: <20020105003401.V1572-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike Thanks for sharing your Workbench ideas with us.

I was just thinking how a few simple Mods. would make it a great Router Table. First a Cutout in the Top to allow The Router to e a Drop-in. then a Blower or Shop Vac Connection to allow the 55 Gal Drum to be the big Dust Collector.

Another thought was to have a Trap Door on the Worktop. Push a button and the project goes right into file 13 :^}

I also thought of cutting Holes in the Drum to allow access to Storage Shelves within the Drum.

These could also be set up for outdoor Parts Reclamation Facility.

The Proper Top with a Handy Torch and a Parts Catcher made of Canvas Drop Cloth. Heat the Boards with the Torch or Hot Air Gun and Wack them on the top or special peg, and all the bits go in the big bucket or in the Canvas Catcher first and the remainders into the bucket.

I used to do a lot of parts recycling and pcb scavanging. :^}

Another trick I used to like was to use the Moto Tool and Cutting Wheel to Cut out Selected Circuits for reuse. Power Supply, Audio Amp, IF Filter, etc.

Manhattan Modules?

Now I am wondering how well those Drums would work as Leaf Mulch Bins?

I may have to look into that thought for next year. I had about a hundred 30 Gal Trash Can loads of leaf mulch this year. I had 30 Gal of Acorns Last Year. That makes another possibility for the Drums, Acorn Silo for Squirrels. We have about ten regulars in the back yard.

It is truly amazing the ideas that we can get from some of the topics on this list.

Just to add a little something QRP here, How about Using one of those 55 Gal Drums as a Base for a Antenna Test Range Tower. Install a 3" or 4" PVC Pipe in the Center with a Wooden Top on Top with hole for PVC Tower. The PVC Pipe would have an adapter section to accept the "Black Widow" or SD-20 Fishing Pole Antenna. A bag or two of sand or gravel and it would be rather permanent fixture. I use two Whisky Barrels out Front now. One for a Verricle and One for the Flag Pole. A few Flowers in the Spring keeps the XYL happy. Strawberries are also good. :^}

The Barrel/drum could also contain a whole QRP Beacon Station.

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Fri, 4 Jan 2002 22:03:39 -0800
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [117008] Re: Collins Mechanical Filters
Message-ID: <00d501c195ae\$b9245a20\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Also, in my hotlist (favorites to you IE users ;-) is

<http://www.angelfire.com/de/vk3kcm/filters.html> and

<http://www.wa3key.com/filters.html>

Seem to cover a lot of ground.

Gary WA6DTX

----- Original Message -----

From: "E. Roswell" <eroswell@monmouth.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, January 04, 2002 7:29 PM
Subject: Re: Collins Mechanical Filters

> Check out the Rockwell/Collins site and see what is there:
> <http://www.rockwellcollins.com/otherbusinesses/collins-filters/products/>
> 73, Ed, K2MGM
>
>

Date: Sat, 5 Jan 2002 01:12:52 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Mike Malone" <mmalone@worldlogon.com>, <fpqrp-1@mpna.com>
Cc: <qrp-1@lehigh.edu>
Subject: [117009] Re: [fpqrp] TRUFFLE Log
Message-ID: <004401c195b8\$67b94240\$6d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What rolls down stairs alone or in pairs... :^D

72/73/oo

Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----

From: Mike Malone <mmalone@worldlogon.com>

To: Mike Malone <mmalone@worldlogon.com>; <fpqrp-1@mpna.com>

Cc: <qrp-1@lehigh.edu>

Sent: Saturday, January 05, 2002 11:29 PM

Subject: Re: [fpqrp] TRUFFLE Log

Log by Blammo (if you never watched Ren and Stimpy then nevermind...)

0133 W5YR
0134 W8DIZ
0134 WA8BXN
0136 N1TP
0137 AC5JS
0139 W5USJ
0140 AJ4AY
0142 K4GT
0143 WV9N
0144 K5JHP
0147 K4BYF
0148 WR50
0149 WA8WV
0151 K4TJD
0152 WE9K
0153 AA50
0154 KC8NYW
0155 W0CH
0158 N8IE
0200 K8MIA

the end

-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -

Date: Fri, 4 Jan 2002 23:18:31 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <mmalone@worldlogon.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [117010] Re: [fpqrp] TRUFFLE Log
Message-ID: <003b01c195b9\$2ea15d20\$d6e9b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Think I was too busy watching Beavis and Butthead! ;-)

----- Original Message -----

From: Mike Malone <mmalone@worldlogon.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, January 05, 2002 9:29 PM
Subject: Re: [fpqrp] TRUFFLE Log

> Log by Blammo (if you never watched Ren and Stimpy then nevermind...)
> 0133 W5YR
> 0134 W8DIZ
> 0134 WA8BXN
> 0136 N1TP
> 0137 AC5JS
> 0139 W5USJ
> 0140 AJ4AY
> 0142 K4GT
> 0143 WV9N
> 0144 K5JHP
> 0147 K4BYF
> 0148 WR50
> 0149 WA8WV
> 0151 K4TJD
> 0152 WE9K
> 0153 AA50
> 0154 KC8NYW
> 0155 W0CH
> 0158 N8IE
> 0200 K8MIA
>
> the end
>
>

Date: Sat, 05 Jan 2002 04:10:23 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: lejek@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [117011] Re: No QRP at Salt Lake 2002 Winter Olympics
Message-ID: <3C36C2FF.38117EC1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry.

Naturally you should check with the Olympic organizing committee. I don't think there will be a problem if you are willing to walk all the way back to where you parked your car and put your radio away! Of course, you may not get as food a seat, and it will be a long walk too.

I don't know if you have ever been to an Olympic event, or even a major sporting event. They are large, immense, in fact! I worked at the 1974 Olympic Games. I ran a remote darkroom. Cell phones were not too popular back then, but the media, which I was a part of, were provided with plenty of telephones! You have to be ready to sacrifice some of your personal freedoms for the good of the masses, and instant communications is one of them. They may make an exception for cell phones, but I sort of doubt it. The tickets should have complete details. As in every case, you should ask first!

73

Date: Sat, 05 Jan 2002 04:13:52 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kl7ixi@attbi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [117012] Re: No QRP at Salt Lake 2002 Winter Olympics
Message-ID: <3C36C3D0.D1D23A23@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael,

Yes, for the Olympic committee, but probably not the public.

73

Date: Sat, 05 Jan 2002 04:19:37 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: leesgoofy@usa.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [117013] Re: No QRP at Salt Lake 2002 Winter Olympics
Message-ID: <3C36C529.C2CD73A8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Lee,

Again, strictly emergency, and under the control of the Olympic organizing committee. No casual hamming will be permitted. That is an important distinction! On site volunteers are not permitted, the hams selected will receive event training.

73

Date: Sat, 5 Jan 2002 06:11:25 -0600
From: "T.E. 'Doc' Drake - W5TB" <w5tb@arrl.net>
To: <Steve.Lawrence@ITWFEG.COM>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [117014] Re: [Summary] Small Solar Panel
Message-ID: <00c701c195e2\$1a102de0\$0200a8c0@alt1.tx.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Steve - did you look at this one?

http://thomas-distributing.com/icpg-04041_solar_battery_charger.htm

73, T.E. 'Doc' Drake, W5TB
Arlington, Texas

FISTS # 5365 QRP-1 # 3532 ARRL Life Member K1 #181 K2#1617

----- Original Message -----=20

From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, January 04, 2002 4:50 PM

Subject: [Summary] Small Solar Panel

> Several have requested a summary about my inquiry into a small solar=20
> panel, suitable for charging 12v batteries (8 or 10 AA cells), with an =

> output in the 100 - 200 ma range. Here's what the "list" has =
provided:

>=20

> Radio Shack (and several others) supplies an ICP panel (1.8w @ 12v) =
for=20

> trickle charging a car battery. Check for:

> #980-0561 at

> <http://www.radioshack.com>

>=20

> Similar panels have also been found at Harbor Freight:

> <http://www.harborfreight.com> (search on "solar")

> and at J. C Whitney:

> Also, J.C Whitney has small panels at reasonable prices.

>=20

> <http://www.jcwhitney.com/catsubpic.jhtml?CATID=3D186344&BQ=3Djcw2>

> (look about 2/3 of the way down the page for solar chargers).

>=20

> These also are available at RV type dealers.

>=20

> Electronic Goldmine was also sited, but I already knew their 19v @ =
100ma=20

> panel was sold out. Too bad... this is what started the quest:

> <http://www.goldmine-elec.com/>

> But they have a number of other interesting solar panels/cells. Check =

> them out.

>=20

> Still another potential resource:

> <http://www.allelectronics.com/index.html>

>=20

> And a boating oriented source:

> <http://www.boatus.com>

>=20

> Still another recommended source is Electronics Parts Outlet in the=20

> Houston, TX area. (No details on their web site). Since I'm in the=20

> Dayton, OH area (yes, a 20 minute drive to Hamvention...), Texas is a =
bit=20
> far!
>=20
> Finally, some potentially interesting stuff at:
> <http://www.siliconsolar.com/>
>=20
> Well, I hope this helps all those looking. While the ICP panels look=20
> promising, I'm concerned about their weight and (perhaps) "over=20
> packaging". As a backpacker, weight simply cannot be overlooked! =
Also,=20
> there's a "QRP/Solar" list on Yahoo, but not much activity:
> <http://groups.yahoo.com/group/QRPSolarPower>
>=20
> If there are any other finds or recommendations, please let the "list" =

> know...!
>=20
> 73,
> Steve
> AA8AF

Date: Sat, 05 Jan 2002 07:52:37 -0500
From: Don <wb1cdh@yahoo.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [117015] Using the Kenwood TS440s for Receiver
Message-ID: <5.1.0.14.0.20020105074648.009e93d0@pop.mail.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I am about to put together my Tuna Tin 2 . Would like to use my Kenwood
TS440s Transciever as my receiver. Any hints how this can be done. I don't
see any "standby" switch like in the tube type receivers of OLE. Many thanks

Don K1NNP
(Formerly KN1NNP ...1960 I think)

Do You Yahoo!?
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Date: Sat, 05 Jan 2002 08:17:38 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-1@lehigh.edu
Subject: [117016] RE: Static damage
Message-ID: <5.0.2.1.2.20020105081700.02289740@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Is this where those holes that travel through semiconductors come from?

72 de Mike, K04WX
Michael C. Boatright

Date: Sat, 5 Jan 2002 06:31:58 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Don <wb1cdh@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [117017] Re: Using the Kenwood TS440s for Receiver
Message-ID: <Pine.LNX.4.33.0201050630350.2016-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Try using the Audio Gain and turn fully ccw to transmit...

On Sat, 5 Jan 2002, Don wrote:

> I am about to put together my Tuna Tin 2 . Would like to use my Kenwood
> TS440s Transciever as my receiver. Any hints how this can be done. I don't
> see any "standby" switch like in the tube type receivers of OLE. Many thanks

>
> Don K1NNP
> (Formally KN1NNP ...1960 I think)

>
>
>
> -----
> Do You Yahoo!?
> Get your free @yahoo.com address at <http://mail.yahoo.com>
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

<http://www.zianet.com/k5di/>

Date: Sat, 5 Jan 2002 06:31:47 -0700
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [117018] FS: Wilderness Sierra/KC-2/5 band modules
Message-ID: <000b01c195ed\$5534dc80\$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Last chance...

I've decided it's time to build something new (probably a K1 or K2). So, I'm putting my trusty Sierra up for sale to raise some cash. It's the Wilderness model, built by me about two years ago, with the KC2 front panel and KC2 keyer/frequency readout installed. It comes with band modules for 80, 40, 20, 15, and 10 meters. Power output ranges from about 4.0w on 80 to 0.8w on 10m.

My Sierra has two mods. The first is to reduce the tuning range from 150 kHz to about 75 kHz (starting at the bottom of each band). I did this by adding a silver mica cap in series with the main tuning capacitor. I did this because I never used the range above x.075 MHz and it makes it a bit easier to tune. The second mod is to convert the choke on the output (L10) to a 2:1 transformer and replace the PA transistor with a 2SC799. This mod was done during original construction in order to eke a bit more power out of the rig. I have the original 2N3553 PA transistor (never installed) and will include it in the package. Both mods are readily undone if desired.

The band modules are built as specified in the instructions. I have not modified the turns counts on the toroids or replaced caps in order to increase power output.

The rig is in excellent condition--no marks or blemishes on the case. The blue plastic covers on the 15 and 10m band modules are a little bit warped (I think they got too much sun during FD one year) but this does not hamper the use of the band modules in any way. This radio has been backpacking with me once or twice and has been used for FD on the top of Mt. Herman for the last two years (successfully, I might add). Instruction manuals are included.

This package would cost you about \$400 (plus shipping) if purchased as a kit from Wilderness. My price is \$275 and I'll include UPS shipping to the lower 48 states. Prefer payment by certified check, but other methods negotiable.

Tnx es 73 de Dave NK0E

Date: Sat, 5 Jan 2002 06:33:07 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
"cq-c-1" <CQCLIST@yahooogroups.com>, <ncarc@qth.net>
Subject: [117019] For you DX hounds....
Message-ID: <000501c195ed\$858c3270\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>From 425DX News, 22-Dec-2001, #555:

SAMOA AND TONGA ---> OH3JR, OH1AWW and OH6KN will be active from Samoa (5W0VK) between 19 December and 2 January and from Tonga (A3) on 5-15 January, with an emphasis on 160-30 metres and Europe. They will work CW (1822, 3503, 7003, 10105, 14005, 18075, 21005, 24895 and 28005 kHz), SSB (1845, 3790, 7050, 14195, 18145, 21295, 24945 and 28495 kHz) and RTTY (14080, 21080 and 28070 kHz) with three stations with verticals and dipoles. QSL via OH3JR either direct (Henri Olander, Helavalkeantie 15, 13270 Hameenlinna, Finland) or through the bureau. The web pages for the operation are at <http://www.qsl.net/ohpacific> [TNX OH6KN]

I heard them this morning ~1300z as A35VK, 7003kHz, nice sig 559-579. Watch for sports on DX Summit:

<http://oh2aq.kolumbus.com/dxs/>

73, Rod N0RC
Ft Collins, CO

Date: Sat, 5 Jan 2002 07:39:01 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'wb1cdh@yahoo.com'" <wb1cdh@yahoo.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [117020] RE: Using the Kenwood TS440s for Receiver
Message-ID: <01C195BC.0BE17600.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Are you going to use the same antenna for transmit and receive? Then rather than put the receiver to sleep while transmitting, just use it to monitor your sending. You may or may not need to ride the AF and/or RF gain down a bit while transmitting.

On my latest TT2--I installed a plain old toggle switch for an antenna switch, plus two UHF connectors in the can. One is for the antenna, the other is the switched antenna out to the receiver. With the antenna disconnected while you are transmitting, I find that receiver overload isn't an issue. This is the way we did it in boatanchor days.

1960 you THINK? Come on--it's OK to forget your anniversary, but not the effective date of your first ham license.

72--Nick
WA5BDU (Formerly WN5BDU ... January 12, 1962)

-----Original Message-----

From: Don [SMTP:wb1cdh@yahoo.com]

I am about to put together my Tuna Tin 2 . Would like to use my Kenwood TS440s Transciever as my receiver. Any hints how this can be done. I don't see any "standby" switch like in the tube type receivers of OLE. Many thanks

Don K1NNP
(Formally KN1NNP ...1960 I think)

Date: Sat, 5 Jan 2002 08:40:17 -0500

From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU, k3tks@u1.abs.net
Subject: [117021] Re: 13 Tricks in Real World
Message-ID: <20020105.084152.-171461.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Please share the "Secrets of Radio" with us...

From: George Gingell <k3tks@u1.abs.net>
To: n3aaz-qrp@juno.com
Cc: QRP List <qrp-l@Lehigh.EDU>
Date: Sat, 5 Jan 2002 00:33:47 -0500 (EST)
Subject: Re: 13 Tricks in Real World

John,
The Only 13 Tricks that I know of are in Card Games. :^}
If there are 13 as related to Radio,
I am sure that others would also like
to hear them.
Please share the "Secrets of Radio" with us...
Sir George, The First :^}

George,
Yes, you are correct,
that was my intent . . . (13 tricks in a pack of cards).
The other feed lineTRICKS in that post are ALSO TRUE.
RE . . .
From: n3aaz-qrp@juno.com
To: qrp-l@Lehigh.EDU
Date: Thu, 3 Jan 2002 19:18:48 -0500
Subject: SWR, Theroy vs. Real World Conditions

Back when I was in the work force TRICKS
and / or sayisms . . . (like one way to remember the standard Color
Code,
'BBROYGBVGW')
were like collector's items.

Each department had it's own set and we enjoyed sharing.

There was ONLY ONE RULE . . .
Tricks must be true (not wishful thinking).

Today (for me) remembering a trick is like telling a joke,

that is, a trigger is required to jog the ole memory.

I post this open invitation to the group, because
I feel sure others here on the list have 'tricks
they would like to share . . .

For example. . .

If you only have two tools in your kit...
one best be an antenna analyzer,
the other a visegrip.

If it ain't broke
don't fix it.

RRR (red, right, return)

Red on Green
safe to go between

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Sat, 05 Jan 2002 08:53:03 -0500

From: "Michael C. Boatright" <ko4wx@mindspring.com>

To: qrp-l@lehigh.edu

Subject: [117022] Re: No QRP at Salt Lake 2002 Winter Olympics

Message-ID: <5.0.2.1.2.20020105082424.02288ab0@pop.mindspring.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

I was with the Technology Organizations of both the Atlanta and Lillehammer Olympic Games. I happened to know the fellow responsible for ALL communications within the "Olympic Ring" a specific zone where both the FCC and FAA (among other federal and state law enforcement and other organizations) have very specific and important operating restrictions.

As you can imagine, a LOT of people have legitimate reasons to bring radio frequency transmitting devices to the Olympics. Legitimate uses include amateur radio, law enforcement, TV/Radio (who have literally tons of RF generating equipment), and others mentioned in previous posts. Many of the people bringing devices to the games come from countries with whom the US does not have automatic reciprocal licensing agreements. This is true for amateur radio as well as for other spectrum uses. In addition, many do not necessarily bring equipment that would pass even loose FCC-type acceptance criteria.

Also, there are a LOT of people who do not necessarily have legitimate reasons to bring radio frequency transmitting devices to the Olympics but try to anyway. These range from REALLY bad guys (you know who I'm talking about) to only moderately bad guys who want to do things like "scoop" TV with the winner of an event in the news, send live pictures of an event to "the competition"--that is non-rights holders (the IOC considers this class worse than the REALLY bad guys, by the way), etc.

There are literally thousands of legitimate RF devices in Olympic venues. ALL of these must be frequency coordinated. As we in QRP know, even uW and mW of RF can go long ways and do lots of things, like mix with other uW and mW of RF, especially within the tight confines of Olympic venues.

An anecdote might help here. My friend (who was an engineer with Motorola, by the way) came to me one day, in the Atlanta Olympic stadium and told me that there had been a complaint that somebody was transmitting a ham radio somewhere near another TV broadcast commentary position (there were 200 such positions, all crammed together in about 2 contiguous sections of the Olympic stadium) and causing interference. My friend asked if I could come along with him and have a look, as the local FCC folks weren't available (I think that was the reason, although he could have just been giggling me because I was a ham--we had a good relationship). We found the French TV organization using an "illegal" (e.g. unapproved, uncoordinated, unlicensed) amateur 2M handie talkie. It was definitely the source of the interference, and they were asked to remove it (they had, after all paid a lot of money to be able to transmit TV, so the organizing committee was probably nicer to them than they would be to you or I sitting in the stands under similar circumstances...).

You can imagine that the Olympics--a great big party where you invite the world and they come--draws lots of people that might want to make a

statement of one kind or another. Is carrying my ham radio with me to the Biathlon event THAT important to me, or would I rather accept not being able to take it knowing that the bad guys have the same problem, and that in some measure I am more secure?

As an aside, I travel a lot on business, and was site searched getting onto a Delta flight on Thanksgiving Day. It was humiliating, and I have been a bit outspoken questioning its effectiveness. That is, until some bozo got a gun past Atlanta security last week (two different guys did, by the way, and Atlanta is one of the tightest in the country), and it wasn't discovered until he tried to board a second plane in Memphis and was randomly site searched prior to boarding. You'll never hear me complain about those searches again...

So, net/net, you CAN take your amateur radio with you, if you have a legitimate purpose AND have cleared it prior with the Olympic RF coordinator. I can't tell you who that is in Salt Lake, but sounds like one or two folks on this thread might be able to. They will record the fact that you're using the equipment and where, and will give you a sticker to put on your radio indicating that it is approved by the organizing committee.

I have such a sticker (from Atlanta) on my original K4TWJ (Dave Ingram), Micronaut transmitter. Doubt anybody ever gave a rat's ass that I could transmit a hundred mW or so on 7MHz, but it was approved, by golly. Gives the radio character, I say...

72 de Mike, K04WX
Michael C. Boatright

Date: Sat, 05 Jan 2002 05:39:09 -0800 (PST)
From: Chuck Carpenter <W5USJ@go.com>
To: Bill ROWLETT <kc4atu@yahoo.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [117023] 6 Meter DX = Rept w/Grid es UTC
Message-ID: <7749145.1010237949112.JavaMail.W5USJ@gomailjtp04>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

VHFers,

It's really great to hear about QRP VHF contacts. Especially on 6 meters, the Magic Band.

I agree with Bill, It's a great help to know your location using your grid square. Also, include the UTC of the event. Useful for predicting possible reoccurrence during following days.

Good luck to all with 6 meter DX and look for more ahead, especially around the equinox. Then, Es during the summer months in NA.

Chuck, W5USJ, Point, Rains Co TX EM22cv, NE-TX QRP #1

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Date: Sat, 05 Jan 2002 14:21:50 +0000
From: Arthur Moe <kb7ww@uswest.net>
To: qrp <qrp-1@Lehigh.EDU>
Subject: [117024] 6 meter DX
Message-ID: <3C370BFE.FB76EBFD@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry I didn't include my QTH in the post about working EH8BPX.

I am located in Oregon CN85qi. The EH8 is in CANARY ISLANDS IL18

First heard at 1820 last heard about 2000. Heard stations from VE7, WA, ID, MT and CA on back scatter all working him.

Art
KB7WW
CN85
Oregon

Date: Sun, 6 Jan 2002 09:03:20 -0600
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Mmalone" <mmalone@worldlogon.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [117025] Re: [fpqrp] Cub Fox Hunt Log
Message-ID: <00c701c196c3\$490f1980\$4af5a7cc@malonefamily>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

corrections to log, please check your entry close... I was Mike the midnight typist last night and am not good at it on my best of days...

0204	W5YR	559	TX	GEORGE	5W
0206	K8KFJ	559	WV	GARIE	5W
0208	K5JHP	559	TX	BILL	5W
0208	KK5LD	599	TX	JIM	5W
0210	N1TP	559	FL	TOM	5W
0212	K5PSH	559	TX	JERRY	5W
0214	W5USJ	550	TX	CHUCK	5W
0215	AC5JH	559	OK	TOM	5W
0217	K4ADI	559	SC	FRANK	5W
0219	WA8WV	559	WV	DAVE	5W
0221	WR50	559	TX	DAVE	5W
0223	W0CH	559	MO	DAVE	500MW
0224	WB6BWZ	559	MA	MATT	5W
0226	K4FB	559	FL	PAUL	5W
0227	WA8BXN	559	OH	MIKEY	5W
0229	KV4EE	559	SC	CRAIG	5W
0233	AF4PS	559	FL	MAC	3W
0234	W8VJW	559	MI	JOHN	5W
0236	K4GT	559	GA	JIM	5W
0239	K8MIA	559	WV	JIM	5W.
0239	AJ4AY	559	AL	JAY	5W
0242	N4MAP	559	GA	SAM	5W
0243	KB9YIG	559	IN	TONY	5W
0244	W0IS	559	MN	RICH	5W
0246	W8YMO	559	OH	HARRY	5W
0248	K4BYF	559	FL	JACK	5W
0250	K0PC	559	MN	PAT	5W
0251	K8CV	559	MA	WALT	5W
0253	WE9K	559	WI	GLENN	5W
0256	AD4IH	559	FL	JOE	5W
0258	KC1FB	559	CT	JIM	5W
0301	KB7WW	559	OR	ART	5W
0303	W9HL	559	IL	RANDY	5W
0305	N9WW	559	IL	JIM	4W
0307	KJ0C	589	MO	JIM	5W
0311	KG6CYN	559	CA	TREVOR	5W
0314	VE4WI	559	MB	CRAIG	5W
0321	KG4CHX	559	NC	TIM	5W
0323	KI0II	559	CO	RON	1W
0324	KG4LDY	559	VA	JIM	5W

0333	W3CD	559	CA	BOB	5W
0339	VE3FAL	559	ON	FRED	5W
0343	WA9TZE	449	WI	JIM	5W
0348	WV9N	559	OH	RANDY	5W
0353	W9XU	559	WI	LON	5W
0356	N9AW	559	WI	JERRY	5W
0359	NK9G	449	WI	RICK	4W
0400	KD5KXF		CUB	FOX	

Date: Sat, 05 Jan 2002 10:15:52 -0500
 From: Pete Burbank <plburbank@kih.net>
 To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Subject: [117026] Re: 13 Tricks in Real World
 Message-ID: <5.0.2.1.0.20020105101118.00acd700@KIH.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:40 AM 1/5/2002 -0500, John R Kirby wrote:

>Red on Green
 >safe to go between
 >
 >John
 >N3AAZ
 >FM 19 xa

Except in the case of approaching ships..-)73 Pete NV4V

Date: Sat, 05 Jan 2002 10:48:09 -0500
 From: Fred Lesnick <flesnick@tbaytel.net>
 To: "QFOX@egroups.com" <QFOX@egroups.com>, QRPL <qrp-1@Lehigh.EDU>
 Subject: [117027] FOX HUNT JAN 4 2002-DRAFT #1
 Message-ID: <3C372039.5AED53E5@tbaytel.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

FOLKS:

Here is my first draft of the fox hunt from thursday. If any corrections are needed please email me.

Fred

FOX HUNT Log for Jan 4/02

TIME	CALL	RPT	SPC	NAME	PWR
202	K3PH	559	PA	BOB	5
203	AC5JH		559	OK TOM	5
204	K0EVZ		579	ND DOC	2
206	KK5LD		559	TX JIM	5
207	KS4L	559	AL	RANDY	5
209	K0FPR		569	CO AL	5
210	VE3JFF		559	ON JEFF	2
212	N1LN	559	TX	BRUCE	5
214	N1TP	559	FL	TOM	5
215	W0CH	559	MO	DAVE 900mw	
216	W5USJ		559	TX CHUCK	5
217	WA8WV		559	WV DAVE 500MW	
218	K4ADI		559	SC FRANK	5
219	N3BJ	559	VA	ALAN	5
221	K7TQ	559	ID	RANDY	5
222	N3JPQ		559	MD FRANK	3
224	WA8BXN		599	OH MIKE	5
229	K3IU	559	RI	KEN	5
231	N4ROA		559	VA DAN	4
234	W7ILW		559	AZ WALT	5
235	K4TJD		559	GA TOM	5
236	W3CD	559	CA	BOB	5
237	N0RC	559	CO	ROD	5
238	K9DC	559	IN	DAVE	5
239	W5YR	559	TX	GEORGE	5
240	AJ4AY		559	AL JAY	5
241	VA6RF		559	AB EARL	5
247	KB7WW		559	OR ART	5
248	AF4LQ		559	KY MIKE	5
250	K5RC	559	TX	GEORGE	5
252	K5DW	559	TX	DON	5
253	KC1FB		559	CT JIM	5
254	WV9N	559	OH	RANDY	5
255	VE5RC		559	SK BRUCE	5
257	K4GT	559	GA	JIM	5
258	KI0II		559	CO RON	1
300	N3AO	559	PA	CARTER	5
301	K5JHP		559	TX BILL	5
302	K8KFJ		559	WV GARY	5
305	VE6EX		559	AB DAN	5
307	W5TB	559	TX	DOC	5

308	AA50	559	LA	VERN	5	
309	K5EOA	559	LA	WAYNE	5	
312	N0DSP	559	CO	TOM	5	
313	AF4PS	589	FL	MAC	4	
314	AA7XA	559	OR	FRANK	5	
316	KB9YIG	559	IN	TONY	5	
317	K5OI	559	OK	TIM	5	
318	NV4V	559	KY	PETE	5	
319	AB0CD	559	CO	DICK	5	
320	KD5KXF	559	TX	MIKE	5	
321	K4FB/5	599	TX	PAUL	5	
323	VE5QRP	559	ASK	BRUCE	5	
324	N4MAP	559	GA	SAM	5	
325	N1QO	559	VT	JOHN	5	
326	KG4CHX	559	NC	TIM	5	
328	WR50	559	TX	DAVE	5	
331	N1FN	559	CO	ET	5	
335	NM5M	559	TX	ERIC	5	
336	WB6BWZ	559	GA	MATT	5	
338	KJ0C	559	MO	JIM	5	
339	KB0LUR	559	CO	PAUL	3	
347	KC9LC	559	VA	RANDY	5	
349	WB8WTU	599	OH	DENNIS	2	
353	NK6A	559	CA	DON	5	
354	KB7WW	559	OR	ART	5	
355	K6VNX	559	CA	ARLEN	5	
357	W3SMK	559	NJ	STEVE	5	
400	N2WW	FOX	CO	LARRY	5	
400	VE3FAL	FOX	ON	FRED	5	

Date: Sat, 5 Jan 2002 10:06:18 -0600
 From: "K5XU, Mike Duke" <k5xu@netdoor.com>
 To: <qrp-l@lehigh.edu>
 Subject: [117028] TS440 As Receiver
 Message-ID: <005b01c19602\$f9679260\$bad294d0@k5xu>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

I ran into a guy on 10 meter AM who was using his 440 as the receiver paired with an old Johnson transmitter. He told me that he brought a second receiver rf gain control out through the un-used phono jack on the back of the radio. This control was set to minimum gain, and switched into the circuit by the TR relay when the transmitter was keyed. He said it worked very well for his application.

I thought about bringing a second carrier level control out to that connector in order to plug in fixed values of resistance to obtain specific low power settings or the proper AM setting for the transmitter. After buying my TS-570, I never got around to having someone make that modification.

Mike Duke, K5XU, President
American Council of Blind Radio Amateurs

Date: Sat, 5 Jan 2002 11:05:39 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: pcummins@misnet.com
Cc: qrp-1@Lehigh.EDU
Subject: [117029] Re: Fw: Computing square roots, help needed
Message-ID: <0F6428A7D1.144305C8-0N85256B38.005615E0@troy.pmifeg>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Patrick,
My recollection of the formula that converges on the $\text{SQRT}(N)$, using only basic math:

$$((N/\text{Guess}) + \text{Guess}) / 2 = \text{NewGuess}$$

Iterate, using "NewGuess" for subsequent passes, until the difference between two consecutive "NewGuess" computations are within some acceptable epsilon error. If I recall correctly, the initial guess can pretty much be anything convenient: "2" for example.

73,
Steve
aa8af

"Patrick Cummins" <pcummins@misnet.com>
Sent by: owner-qrp-1@Lehigh.EDU
01/04/2002 11:32 AM
Please respond to pcummins

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:

Subject: Fw: Computing square roots, help needed

Guy and Gals

I am sending this in this manner because i goofed up the address and this is the only way i could figure out how to get it out without rewriting the whole darned thing.

-----Original Message-----

From: Patrick Cummins <pcummins@misnet.com>
To: fpqrp-1@mpna.com <fpqrp-1@mpna.com>
Cc: qrp-1@Lehigh.EWU <qrp-1@Lehigh.EWU>
Date: Friday, January 04, 2002 10:20 AM
Subject: Computing square roots, help needed

>Hi guys and gals:

> I am sending this to both lists I monitor to see if someone out there
>can help me. A few months ago someone mentioned it would be neat to have
an

>auto tune balanced antenna matcher. I put this idea down on my "this
could

>be interesting list" and it has finally surfaced onto my "see if this is
>possible list". My intentions are to use a microPIC controller (16F84?)
to

>tune either a Zack Lau balanced tuner as shown in QRP Classics or Charles
>Lofgren's Z matcher as shown in the ARRL antenna compendium (vols 3 and
5).

>My problem is that I may need to compute square roots of some values and
I

>don't remember how to. (So much for my early math education, but I have
been

>using either a slide rule or a calculator since about the mid 50's.)

> I could implement newtons method to solve it but would also like to
look

>at how we used to compute it. (Which may really have been an
implimentation

>of newtons method.) Anyway, if any one can remember how could you please
let

>me know the method. I should note that the micro pic stuff I have, the
>simulator, emulator, and assembler do not have the square root function
and

>purchasing a C compiler or other software that does is not an option for
me

>at this time.

>

>And now a word from the immortal bard -- "Song of the open road with

>appologies to Joyce Kilmer"
>
>I never think that I shall see
>a billboard lovely as a tree,
>Indeed unless the billboards fall
>I'll never see a tree at all.
>
> -- Ogden Nash --
>
>(I also like his " Candy is dandy, but liquor is quicker ")
>
>72 and oo
>
>Patrick S. Cummins, W5PSC
>pcummins@misnet.com
>

Date: Sat, 5 Jan 2002 17:08:59 +0000
From: euramcom pages <mel@euramcom.freemove.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [117030] OT-ish, mission impossible?
Message-ID: <T58440ac35cac1785ed279@pcow035o.blueyonder.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi gangue!

Happy New Year!

Task for you to try. I have opened some webspaces at

<http://www.gm6jag.fsnet.co.uk>

and I would like some of you to take the "challenge" there! The
webspaces are provided by uk freemove (part of wanadoo nowadays)=
but
does not seem to allow anonymous login or indeed any kind of=
login
except from the originating account source, that is, myself, and=
only
from the originating account. I'd like to be able to load and=

unload
pages from another ISP for when I over-winter in Spain, perhaps=
using
an Internet cafe machine?

Can any of you guys get in to post a page?

Obligatory QRP bit - - -If I can't get in, then I cannot post=
changes
to the euramscom qrp pages!

Regards

me1

Date: Sat, 5 Jan 2002 12:34:37 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [117031] Good Straight Key?
Message-ID: <000b01c1960f\$4311cb40\$cfa854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anybody have a strong opinion for straight key in the +/- \$100 range
with a weighted base and navy knob? I know there are only a few that meet
that criteria, but I can't make up my mind. The reviews I've seen seem to
point out deficiencies in all of them.

Thanks,

Denny Payton, N9JXY
Auburn, IN

Date: Sat, 05 Jan 2002 17:17:29 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Pete Burbank <plburbank@kih.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [117032] Re: 13 Tricks in Real World
Message-ID: <3C36EED9.2B8727FB@ntelos.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Saturday, 05 January 2002, NV4V wrote:

> Except in the case of approaching ships.:-)

Nautical types just remember the 3 R's. Red, Right, Returning. :-)

72 //Gary *K8KFJ*

Date: Sat, 5 Jan 2002 13:05:53 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [117033] OT: 6M hot
Message-ID: <000701c1962c\$c3c24220\$20e4d73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

6M is jumping- just worked CA with an FT-817 and 125' of coax to an HF dipole.

73- Dave, K1SWL

Date: Sat, 5 Jan 2002 13:25:31 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <wb1cdh@yahoo.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [117034] RE: Using the Kenwood TS440s for Receiver
Message-ID: <GCECIJFJPOHMCKACOA0BCEMIDEAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

I use this set up. My Tuna Tin is hooked up to my 40m dipole. I use my Kenwood TS440S on a 20m full wave wire loop. To transmit, I turn the 440's

RF gain down to the point where I can just hear my transmitted signal. Gives me a nice "sidetone" and I can monitor the quality of my signal. It takes a few seconds to reach over and turn up the RF gain to receive, but I don't miss much of the other ham's transmission.

I'm a bit worried about wearing out the RF pot on the 440 and would like to figure out a real T/R switch to use with the 440, but I've been using the 440 this way for a couple years, so I doubt I'll ever get around to changing things.

My 440 has all the filters and I use a Timewave DSP unit in my Yaesu speaker when things get noisy -- don't want to miss any of my fellow QRPers :-)

73,

Jake -- N4UY

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Don

Sent: Saturday, January 05, 2002 7:53 AM

To: Low Power Amateur Radio Discussion

Subject: Using the Kenwood TS440s for Receiver

I am about to put together my Tuna Tin 2 . Would like to use my Kenwood TS440s Transciever as my receiver. Any hints how this can be done. I don't see any "standby" switch like in the tube type receivers of OLE. Many thanks

Don K1NNP

(Formally KN1NNP ...1960 I think)

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sat, 05 Jan 2002 11:55:58 -0700

From: Andrew Madsen <andrew@utahdesign.com>

To: qrp-l@lehigh.edu

Subject: [117035] Re: No QRP at Salt Lake 2002 Winter Olympics

Message-ID: <3C374C3E.2CA0380E@utahdesign.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

In case anyone is interested, there will be several special event stations set up for the olympics. I plan on operating one of them for a while. I haven't asked the station's owner, but I think it would be OK if I turned the power down for a while. We are planning on having a special event call (1x1), but I don't think it has been obtained yet. We don't have specific dates or times yet, but it will probably be on either the second or third weekend of the olympics. I'll post more information when that information is available.

Also, there will be ham radio operation at the olympics, but not casual operation. From what I have heard, and meetings that I've been to, I think hams will actually play a large part in communications for the olympics. Hams were asked to run the radios (cross-band repeaters of sorts) that allow different agencies to communicate with each other. Also, in case of an emergency, several emergency power equipped ham repeaters will be available.

73,
Andrew AC7CF

Date: Sat, 05 Jan 2002 14:01:51 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: ko4wx@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [117036] Re: No QRP at Salt Lake 2002 Winter Olympics
Message-ID: <3C374D9F.52ABF567@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael,

I also worked for the Olympic Committee in 1984. I was considered part of the media group. I ran a remote darkroom up at Lake Casitas. This venue was about 199 miles away from the Olympic Center in downtown Los Angeles.

My experience is very similar to yours. The salient point is that there are two types of radio where the Olympic Committee is concerned, radios they control and those that they don't. They specifically want to stop those they don't control. This is why they do frequency coordination. This is why they clear certain radios. Spectators belong to the second group. Your radio is not coordinated and you don't need it!

Yes, the Olympic Committee is very particular about controlling the media. They want everything to come from them, no freelancers are permitted!

73

Date: Sat, 5 Jan 2002 13:17:24 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'jakecart@ix.netcom.com'" <jakecart@ix.netcom.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [117037] RE: Using the Kenwood TS440s for Receiver
Message-ID: <01C195EB.518972A0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Yes, if you build little separate QRP transmitters and receivers and/or you fool with boatanchors., a T/R switch is nice to have.

Mine is from the SSDRA bible--used the rf sensing circuit of figure 88 and the 555 based variable drop-out time relay circuit of figure 87. Like you, I like to monitor in the receiver so I left the 741 monitor circuit out.

I built the rf sensing circuit with two voltage divider values for "medium" and "QRP" power level sensing. But it proved to be quite sensitive down to the 5 watt level as designed. Don't know about QRPp levels such as with the TT2. The switch might come in handy there.

72--Nick, WA5BDU

-----Original Message-----

From: John L. "Jake" Carter [SMTP:jakecart@ix.netcom.com]

I'm a bit worried about wearing out the RF pot on the 440 and would like to figure out a real T/R switch to use with the 440,
Jake -- N4UY

Date: Sat, 5 Jan 2002 20:26:45 -0700
From: "Wayne Glover WE7G" <wayneg@inovion.com>
To: <qrp-l@Lehigh.EDU>
Subject: [117038] Omega - T
Message-ID: <000701c19661\$facfc8c0\$109b94ce@dmrodco>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone willing to copy their manual for the Omega-t Model TE- 01 Antenna
Noise Bridge? I'll gladly pay costs. Or perhaps someone can point me to a
source? Thanks - Wayne

Date: Sat, 5 Jan 2002 15:37:03 -0500
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [117039] FS: A box of weird stuff
Message-ID: <20020105.153747.-412393.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Gang,

Don't ask. I can't explain it. All I know is that I have a laser printer
that I'm still waiting to try out, a dead TR7 power supply, three other
radio projects in motion & I get this box of stuff from Roger. But, being
a pecuniary little snit, I figure I can pay for the laser printer by
getting rid of all this.

I'd have send Dan (of Dan's SP&K) an email giving him first rights, but
he ain't got email. Maybe one (or some) of you crazies will want this.
All the quantity numbers are under-estimates of what was written on the
bag when I went through the process of picking out the stuff I want.

CONNECTOR THINGIES

8000 ea solder terminal, brass/silver .25" high, slotted top
40 ea 4-pos. 100" ctr, lo profile tine. 070" board space bd mtg
connectors
10 ea 3 position screw terminal, thru chassis mtg, #6 screw
6 ea header, 5.07mm ctr 8 pin vertical
4 ea 2 position, multiple tab screw terminal, " blade screw
4 ea 32-pin machine dip socket, thru hole, ca. " wide (LSI chip size)
10 ea 28-pin machine dip socket, thru hole, ca. " wide (LSI chip size)
8 ea 26 pin (2 rows of 13 each) rectangle connector, thru hole mtg
(CA-26HL-1F)

SWITCHES

10 ea 8PST DIP switch set, thru hole mtg. (s/n ADPA 08)

10 ea 10P SIP switch set, low profile (s/n ALC SSV10)
15 ea 3PST DIP switch set, thru hole mtg (s/n ALC ADE03)

RESISTORS & RESISTOR PACKS &c

15 ea 10k wire wound resistors (CG9; CTG9029)
40 ea 7 Ohm wire-wound resistors (CG8; CTG 9029)
150 ea 20k Ohm SIP resistor set, 5 individual resistors in unit, 10pin
(5S203 G 55)
150 ea 1.75k Ohm SIP resistor set RKL891825 (182 G 5N) (pin 1 common, 10
pin)
100 ea 33 Ohm SIP resistor set HX1-330 (pin 1 common, 8 pin)
150 ea 82 Ohm SIP resistor set, 820 G 55 (pin 1 common, 8 pin)
150 ea 3.32k Ohm W resistor, axial leads
100 ea 250mF@25VDC electrolytic caps, axial lead (1.75x.5")
40 ea DB9 chassis mtg, male connector (DDM-09P-209G-TR) D-Sub IDC Metal
shell

I'll figure about \$25, shipped CONUS. I know that a lot of this is pretty
obscure & special purpose stuff. But who knows? Maybe someone will figure
they've got a few more plastic boxes to fill up yet..

Don't worry about my needs, let me tell you. I had a hard time passing up
keeping the 8000+ little board mount pins. They're perfect for those
places in radios where a cable has to get to a board but you & I both
know that you'll take it off the board half a dozen times before you get
the radio working anyway. I think I kept about 500 for myself. That and a
tube of .001 uF machine insertable caps. Never know when I might have a
machine to insert stuff for me.

73

Nils

. . . the 8000 little pins was marked 8525 on the bag & I took about a
half a cup's worth for myself. The other 8000 I don't need . . . but YOU
do!

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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Date: Sat, 5 Jan 2002 16:21:26 -0500
From: David B Markheim <w2qu@juno.com>
To: sdhudson@cahners.com
Cc: qrp-1@Lehigh.EDU
Subject: [117040] Re: QRP rigs, other items for sale
Message-ID: <20020105.162127.-3967295.1.w2qu@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I worked Steve earlier this week and he was using the Argonaut. It sounded FB! Go for it guys.

Dave
W2QU

Date: Sat, 05 Jan 2002 16:54:49 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "QFOX@egroups.com" <QFOX@egroups.com>, QRPL <qrp-1@Lehigh.EDU>
Subject: [117041] Fox Log -Rev. #2 VE3FAL
Message-ID: <3C377629.A250207B@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, had one dupe in the log, and one call incorrect(was correct on my scribbled log).
So here we go again.
Any other changes let me know

Fred
VE3FAL

TIME CALL RPT SPC NAME PWR

202	K3PH	559	PA	BOB	5
203	AC5JH	559	OK	TOM	5
204	K0EVZ	579	ND	DOC	2
206	KK5LD	559	TX	JIM	5
207	KS4L	559	AL	RANDY	5
209	K0FPR	569	CO	AL	5
210	VE3JFF	559	ON	JEFF	2
212	N1LN	559	TX	BRUCE	5
214	N1TP	559	FL	TOM	5

215	W0CH 559	MO	DAVE 900mw	
216	W5USJ	559	TX CHUCK	5
217	WA8WV	559	WV DAVE 500MW	
218	K4ADI	559	SC FRANK	5
219	N3BJ 559	VA	ALAN	5
221	K7TQ 559	ID	RANDY	5
222	N3ZPQ	559	MD FRANK	3
224	WA8BXN	599	OH MIKE	5
229	K3IU 559	RI	KEN	5
231	N4ROA	559	VA DAN	4
234	W7ILW	559	AZ WALT	5
235	K4TJD	559	GA TOM	5
236	W3CD 559	CA	BOB	5
237	N0RC 559	CO	ROD	5
238	K9DC 559	IN	DAVE	5
239	W5YR 559	TX	GEORGE	5
240	AJ4AY	559	AL JAY	5
241	VA6RF	559	AB EARL	5
247	KB7WW	559	OR ART	5
248	AF4LQ	559	KY MIKE	5
250	K5RC 559	TX	GEORGE	5
252	K5DW 559	TX	DON	5
253	KC1FB	559	CT JIM	5
254	WV9N 559	OH	RANDY	5
255	VE5RC	559	SK BRUCE	5
257	K4GT 559	GA	JIM	5
258	KI0II	559	CO RON	1
300	N3AO 559	PA	CARTER	5
301	K5JHP	559	TX BILL	5
302	K8KFJ	559	WV GARY	5
305	VE6EX	559	AB DAN	5
307	W5TB 559	TX	DOC	5
308	AA50 559	LA	VERN	5
309	K5EOA	559	LA WAYNE	5
312	N0DSP	559	CO TOM	5
313	AF4PS	589	FL MAC	4
314	AA7XA	559	OR FRANK	5
316	KB9YIG	559	IN TONY	5
317	K5OI 559	OK	TIM	5
318	NV4V 559	KY	PETE	5
319	AB0CD	559	CO DICK	5
320	KD5KXF	559	TX MIKE	5
321	K4FB/5	599	TX PAUL	5
323	VE5QRP	559	ASK BRUCE	5
324	N4MAP	559	GA SAM	5
325	N1Q0 559	VT	JOHN	5
326	KG4CHX	559	NC TIM	5
328	WR50 559	TX	DAVE	5

331 N1FN 559 CO ET 5
335 NM5M 559 TX ERIC 5
336 WB6BWZ 559 GA MATT 5
338 KJ0C 559 MO JIM 5
339 KB0LUR 559 CO PAUL 3
347 KC9LC 559 VA RANDY 5
349 WB8WTU 599 OH DENNIS 2
353 NK6A 559 CA DON 5
355 K6VNX 559 CA ARLEN 5
357 W3SMK 559 NJ STEVE 5
400 N2WW FOX CO LARRY 5
400 VE3FAL FOX ON FRED 5

Date: Sat, 05 Jan 2002 16:48:08 -0600
From: Monty N5FC <n5fc@io.com>
To: AQRP@egroups.com, qrp-l@Lehigh.edu, ka8mav@arrl.net
Subject: [117042] The Amazing Tiny Tornado!
Message-ID: <5.1.0.14.1.20020105154840.00a9e0f0@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey Gang!

Got my "Tiny Tornado" kit in the mail yesterday, whipped it together, stuffed it in an Altoids box (what else?) along with a 9V battery (with room to spare), and put it on the air. Couldn't raise lint from felt last night, but snagged two Q's this morning on 30 Meters. A 29 minute QSO with John in Joplin, MO, 503 miles, for 1250 miles/watt, was the best dx. That time, I was running QRO from 12 VDC at 390 mW out. Another ragchew QSO with Dale in San Antonio to prove it can be done with only a 9 Volt battery, yielding 200 milliwatts.

Here's an interesting observation: in my unit, when operated into a dummy load, or into an antenna using the Emtech ZM-2 antenna tuner, SWR was fine. When operated into a the same antennas using my MFJ-971 tuner, even when preadjusted to 50 ohms, SWR was near infinite and could not be adjusted. I suspect some kind of off-frequency oscillation in the final, but I can't guess why.

Operating rockbound on both RX and TX is an interesting, but not entirely pleasant experience. Fortunately, I added the switch to provide an "offset", but that meant I needed to manually switch it from TX to RX to TX each time. I lost one guy when I forgot to switch back to the TX freq.

Hum in the DC receiver was also a problem for me. I finally discovered that the level of hum was related to which of three antennas I was using,

and which of the unused ones I had grounded and ungrounded. I finally found a combination that was usable. Also, I could reduce the effect somewhat by adding 5 or 10 dB of attenuation in line with the antenna, but of course, that was another switch to throw when going from TX to RX HI HI. To make matters worse, receiver gain, though adequate, is fixed, and tends to fool you into thinking a moderately strong station is weak, especially in the presence of the hum.

I put a couple of mods into my unit:

1. For Q2, I used 2 parallel PN2222's with 2.2 ohms 1/8-watt emitter ballast each; this almost doubles the power output. I matched the transistors for hfe. Turns out the PC board's holes are big enough to take two leads in one hole. No extra heat sinking was needed (they never even get warm to the touch). The instructions say to decouple the ballast resistors when paralleling transistors, but I believe this to be unnecessary, and maybe even counterproductive. Commercial emitter-ballasted RF transistors never have decoupling.

2. I changed C15 from 1000 pF to 8.2 pF. This gave me a 850 Hz "offset" when the crystal oscillator was trimmed to 10106 KHz. I'm guessing this will vary a lot, unit-to-unit.

Following are some observations and measurements I made on my unit. Keep in mind the TX has 2 parallel transistors, rather than the stock single transistor.

Receiver Current Drain: 9.3 mA @ 9 VDC, 14.5 mA @ 12.6 VDC
Transmit Current Drain: 52 mA @ 9 VDC, 87 mA @ 12.6 VDC
Transmit Power Out (2 x 2n2222's): 200 mW @ 9 VDC, 390 mW @ 12.6 VDC
Receiver backwave: 5 mW @ 9 VDC, 6 mW @ 12.6 VDC (hmmm...)
Receiver MDS: approx 0.4 microvolts
Receiver Blocking: begins at 600 microvolts (and it ain't pretty from there on up)

Shortcomings aside, the rig proves its point, and very well: a minimalist approach, while discarding features, will still get QSOs, and a kit built around this approach can be a load of fun to build and operate. Hats off to Brice KA8MAV for offering this fun kit! See <http://www.qrpp-i.com/>

In a couple of weeks, I'll post pictures to the net. If you're local to Austin, the Tiny Tornado will be show-and-tell at the AQRN meeting(s) Saturday.

72,
monty N5FC

Monty Northrup, N5FC
Austin, Texas

e-mail: n5fc@io.com
web page (ham radio): <http://www.io.com/~n5fc>
web page (home): <http://www.io.com/~maddog>

Date: Sat, 5 Jan 2002 18:55:29 -0500
From: "KennyMac" <killmodell@accesstoledo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [117043] Re: 13 Tricks in Real World
Message-ID: <000c01c19644\$75177a60\$666a2bcf@kennymac>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When landing my cessna at night I always remember "red over white...your all
right....red over red.....your dead" :)

Ken
an aspiring Elmer

----- Original Message -----
From: "Garie Halstead" <k8kfj@ntelos.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, January 05, 2002 12:17 PM
Subject: Re: 13 Tricks in Real World

> On Saturday, 05 January 2002, NV4V wrote:
>
> > Except in the case of approaching ships.:-)
>
> Nautical types just remember the 3 R's. Red, Right, Returning. :-)
>
> 72 //Gary *K8KFJ*
>
>

End of QRP-L Digest 2427

